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(54) **USER TERMINAL AND WIRELESS COMMUNICATION METHOD**

(57) The present invention is designed so that beam-forming can be executed properly even when user terminals are in idle mode. A user terminal communicates with a radio base station that uses beamforming, and has a receiving section that receives a synchronization signal and/or a broadcast channel and a paging channel, which

are transmitted using a single beam pattern or a plurality of beam patterns; and a control section that exerts control so that at least part of the paging channel is received based on a resource where the synchronization signal and/or the broadcast channel are allocated.

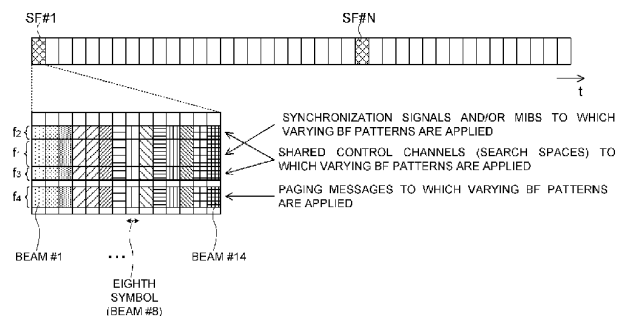


FIG. 6



## EUROPEAN SEARCH REPORT

Application Number

EP 23 20 6382

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EPO FORM 1503 03.82 (P04C01)

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	<p>NSN ET AL: "Remaining Details of Category-0 UE", 3GPP DRAFT; R1-142434, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE</p> <p>/</p> <p>vol. RAN WG1, no. Seoul, Korea; 20140519 - 20140523</p> <p>10 May 2014 (2014-05-10), XP050814846, Retrieved from the Internet: URL:http://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_77/Docs/ [retrieved on 2014-05-10] * the whole document *</p>	1-7	<p>INV.</p> <p>H04B7/0408</p> <p>H04B7/06</p> <p>H04W16/28</p> <p>H04W68/02</p> <p>H04W56/00</p> <p>H04W52/02</p> <p>ADD.</p> <p>H04W76/28</p>
A	<p>CATT: "Design of E-PDCCH search space", 3GPP DRAFT; R1-113743, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE,</p> <p>vol. RAN WG1, no. San Francisco, USA; 20111114 - 20111118, 9 November 2011 (2011-11-09), XP050562240, [retrieved on 2011-11-09] * the whole document *</p>	1-7	<p>TECHNICAL FIELDS SEARCHED (IPC)</p> <p>H04B</p> <p>H04W</p>
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
Munich		31 January 2024	Sieben, Stefan
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p> <p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>&amp; : member of the same patent family, corresponding document</p>			



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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	<p>US 2016/119895 A1 (AGIWAL ANIL [IN] ET AL) 28 April 2016 (2016-04-28) * paragraph [0005] - paragraph [0006] * * figure 29 * * paragraph [0059] - paragraph [0062] *</p>	1-7	TECHNICAL FIELDS SEARCHED (IPC)
A	<p>US 6 233 466 B1 (WONG PIU BILL [US] ET AL) 15 May 2001 (2001-05-15) * column 8, line 64 - line 67 *</p>	1-7	
The present search report has been drawn up for all claims			

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ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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31-01-2024

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